



Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/715,527-Conf. #5578
				Filing Date	November 19, 2003
				First Named Inventor	Hyung Dal JOO
				Art Unit	2879
				Examiner Name	M. P. Hodges
				Attorney Docket Number	3449-0238P
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (# known)			
<i>gjh</i>	AA	US-4,933,656	06-12-1990	Elders et al.	
<i>gjh</i>	AB	US-4,730,145	03-08-1988	van der Meer et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁴ -Number ⁴ -Kind Code ⁵ (# known)	MM-DD-YYYY			
<i>gjh</i>	BA	JP-04-245149-A	09-01-1992	Toshiba Corp.		
<i>gjh</i>	BB	EP-0 977 239-A2	02-02-2000	Hitachi, Ltd.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>M. P. Hodges</i>	Date Considered	11/10/01
-----------------------	---------------------	--------------------	----------

Birch, Stewart, Kolasch & Birch, LLP

JTE/cdr

Form PTO-1449		ATTY. DOCKET NO. 3449-0238P							
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		APPLICATION NO. NEW							
		APPLICANT JOO, Hyung Dal et al							
		FILING DATE November 19, 2003							
		U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
	US								
	US								
	US								
	US								
	US								
	US								
	US								
	US								
	US								
	US								
	US								
FOREIGN PATENT DOCUMENTS									
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
W	KR	10-2002-0076361		2002-10-11	KOREA			ABS ONLY	
W	JP	61-171041		1986-08-01	JAPAN			ABS ONLY	
W	JP	05-190113		1993-07-30	JAPAN			ABS ONLY	
OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.									
EXAMINER					DATE CONSIDERED				
					11/19/05				
<small>EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.S.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>									